Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBRNO-21/15-16

No. First & ~~Final~~ (For Other Works) Date 30-1-2009

Division: **BBMP, Byatarayanapura** Sub-Division: **Vidyaranyapura**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated……...

Sub Divisional Work Code: **011-15-000013**

Schedule Docket No. Head of Account: **Est.Cost: 12.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): Drilling of Borewells and Providing Pump and Motors in ward no 11, Vidyaranyapura Sub Division.

Name of Contractor and Full Address: **H.Gangadhar, Contractor, Bangalore**

Reference to Agreement No. EE/BTP/BBMP/E-PMT/287/2014-15 Dated 03/02/2015

Certified that the measurements were taken by me on 30/4 and recorded of Pages to of measurement Book No and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	1st & Part RA 1191204=00
2) Deduct amount to be held in reserve being ……percent Rs……	IT 11912=00
3) " Balance	KST 47648=00
4) Deduct Payment:	TSD 70472=00
a) Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No……..… Amount adjusted towards cash advance recovery of	WC 11912=00
b) Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	CESS 1191=00
5) Balance being unpaid value of work done held in reserve.	FINE 1000=00
6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	Total ded 144135=00
7) Net amount due to or from Contractor unadjustments items.	By cheque 1047069=00
8) Advance to Contractor for materials brought to site (as detailed) within.	
9) Value of Government materials supplied.	
Total amount adjusted -	

Contractor's Signature

Received Rs…….. (in words)……..

……

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness
1.
2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No……Dated……

Cash Rs……..

Dated……

1191204=00
144135=00
1047069=00

Initials of Officer making payment

Executive Engineer

29/12

Sl. No	Items grouped under sub-Heads and Sub-Works of the Estimate	Unit
1	Geophysical survey Geophsical investigation of site for sinking borewell for supplying drinking water to the habitation either through the Hand Pump, MWS or PWSS by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation Geophysicval investigation of existing Ground Water in the vicinity, Its quality, quality and acceptability of the users indicating the location of the site, recommended depth of casing pipe required to seal the tope inconsolidated formation including an extra depth 1.0mtr in consolidated formation for aquifr proposed to be tapped probable yield and other inforation required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc.	Per N
2	Sinking of borewell of 165m clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 22 m, fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicles, screw charges and cost of cosumables, etc complete including yeild testing at teh final depth with a minimum working of compressor for one hour, all as specified. with all leads lifts loading and unloading charges scaffolding with all incidental charges for successfull completion of teh work as per teh direction of the engineer incharge of	
3	above 50 mttr upto 100 mtr	Mtr
4	Above 100 Mtr upto 150 mt	Mtr
5	above 150 Mtr upto 200 Mtr	Mtr
6	above 200 Mtr upto 250 Mtr	Mtr
7	above 250 Mtr upto 300 Mtr	Mtr
8	providing of ISI mark 175mm nominal bore medium black ERW casing pipe of 5mm thick black electric continuous welded mild steel tube material conferming to IS 1387/1993 & manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mts. Both ends threaded confirming to IS 554/1985, one and fixing with a socket and teh other end with a plastic protection end (inclusive of all taxes) (As per approved rates by Superintendent Engineer, RDED Engineering Section, Bangalore vide letter No. with all leads lifts loading and unloading charges scaffolding with all incidental charges for successfull completion of teh work as per teh direction of teh engineer incharge of the work.	Mtr
9	Providing 250mm dia PVC Pipe 6Kg/cm as per specification and direction of the Engineer in Charge of the work	
10	Providing and Fixing 175mm dia bore cap with clamp set H/D with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer in charge	
11	Supply and delivery at site brand new Texmo/Innoval/Lubi/Sabar/Atalanta/Calamal/water man/Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3Ph., 50 Hz., 380/44 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc. complete. The pump and motor shall form an integral	Mtr
12	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any.	
13	Heavy duty collar 50mm dia	
14	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts.	
15	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the	
16	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted	
17	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class	
18	Labour charges for laying of 1.1 K.V class UG cable	Mtrs

Previous		Present			Total Upto Date		Remarks
Qty	Amount	Qty	Rate	AMT	Qty	Amt	
		2	1882	3764.00	2	3764.00	
		100	306	30600.00	100	30600.00	
		100	400.00	40000.00	100	40000.00	
		100	445.00	44500.00	100	44500.00	
		100	470.00	47000.00	100	47000.00	
		100	544.00	54400.00	100	54400.00	
		100	583.00	58300.00	100	58300.00	
		140	1325.00	185500.00	140	185500.00	
		36	754.47	27160.92	36	27160.92	
		2	100.00	200.00	2	200.00	
		2	56200.00	112400.00	2	112400.00	
		500	375.00	187500.00	500	187500.00	
		100	130.00	13000.00	100	13000.00	
		1040	151.00	157040.00	1040	157040.00	
		2	3000.00	6000.00	2	6000.00	
		2	285.00	570.00	2	570.00	
		60	150.00	9000.00	60	9000.00	
		60	8.00	480.00	60	480.00	

19	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and	No
20	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class	No
21	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,	Mtr
22	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm	Mtr
23	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete....	No.
24	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	Nos
25	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 84 / I. No. 13.81.3	No
26	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc coomplete	No
27	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No
28	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No
29	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33	Sq.Cm
30	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the	No.
31	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, s	Cum
32	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the	Rmtr
33	KSRB 2-4 : Refilling the bumont and pipe lines, trenches with selected available earth for trench excavation including authority condition in layers form thedi including disponsary of the sunplus earth with a heavy 200 mtrs with all lead and lift, loading, unloading and labour charges etc. cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50mm, and lift upto 1.5m, including cost of all labour complete as per specifications,	Cum
34	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of	Each
	Total	

Bescom depos

		50	60.00	3000.00	50	3000.00	
		8	240.00	1920.00	8	1920.00	
		2	260.00	520.00	2	520.00	
		2	1950.00	3900.00	2	3900.00	
		12	100.00	1200.00	12	1200.00	
		2	1579.40	3158.80	2	3158.80	
		2	227.90	455.80	2	455.80	
		8	80.00	640.00	8	640.00	
		2	350.00	700.00	2	700.00	
		2	1000.00	2000.00	2	2000.00	
		46800	0.33	15444.00	46800	15444.00	
		2	11000.00	22000.00	2	22000.00	
		202.50	188.00	38070.00	203	38070.00	
		450	157.00	70650.00	450	70650.00	
		202.50	61.00	12352.50	203	12352.50	
		10	2120.00	21200.00	10	21200.00	
				1174626.02		1174626.02	

16878=00
11/12/2024

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

16878=00
11/12/2024